



HiQ MAGIC CLEAR

Version 1.0

PRODUCT DESCRIPTION

■ Outline

HiQ MAGIC CLEAR is a fast drying urethane clearcoat designed for quick repairs where speed is essential. MAGIC CLEAR dries quickly without losing appearance. It offers fast flash and polishing times with good quality.

MAGIC CLEAR is easy to apply and a high gloss acrylic urethane system with excellent durability.

■ Suitable Substrates

- HiQ basecoat colors
- OEM finishes
- Aged refinishes

■ Product Configuration

Product Name	Pack(ℓ)	Contents(ℓ)	Storage
HiQ MAGIC CLEAR	4.0	4.0	12 months
HiQ Urethane Hardener (CCH-200, 230, 250)	1.0	1.0	6 months
Reducer : Not used	-	-	-

* Standard temperature of storage is 20°C.

■ Mixing Viscosity

12~14 sec. Viscosity(A+B) Ford Cup #4 at 77°F (25°C)

■ Pot Life

2 hours at 77°F (25°C) using CCH-200

■ Hardener

	Temperature			
	5~15°C	10~25°C	20~35°C	30°C or above
Spot repair	CCH-250	CCH-200	CCH-200	CCH-230
1~2 panel repair	CCH-250	CCH-200	CCH-230	CCH-230
Multi panel repair	CCH-250	CCH-200	CCH-230	Non applicable

APPLICATION GUIDE

■ Use

Surface
Preparation



Apply clearcoat after applying basecoat and wiping off the dust in the fully-dried condition.

Mixing
Ratio



Product Name	Mixing Ratio
HiQ MAGIC CLEAR	4
HiQ Urethane Hardener (CCH-200, 230, 250)	1
Reducer : Not used	0

* Mix by volume.

Spray
Condition



2.0~3.0 bar (gravity feed)
2~3 wet coats keeping 20~25cm from the surface
Fluid tip : 1.2~1.5mm, D.F.T.=40~60μm



3.0~4.0 bar (siphon feed)
2~3 wet coats keeping 20~25cm from the surface
Fluid tip : 1.4~1.6mm, D.F.T.=40~60μm



0.6~0.7 bar (at nozzle)
2 wet coats keeping 20~25cm from the surface
Fluid tip : 1.3~1.5mm, D.F.T.=40~60μm



Flash time : 3 min
Set time : 5 min

Protective
Equipment



Use fresh air mask or charcoal respirator to avoid inhaling or being exposed to fumes.

■ Drying Times

	Temp. Time		Temp. Time		Remark
Set time	25°C	5 min			
Time to handle	25°C	1.5 hrs	60°C	30 min	
Time to stripe	25°C	1.5-2 hrs	60°C	30 min	
Thorough dry	25°C	6 hrs	60°C	1 hr	
IR dry time	-	-	-	-	Not recommended
Time to polish	25°C	1.5 hrs	60°C	30 min	

(*) If coats are thicker, the drying schedule will be delayed.

ADDITIONAL INFORMATION

■ Recoatability

- 1) Recoatable time : 2 hours at ambient temperature after force dry
- 2) Sand and wipe off the dust with DR-180 before recoating.



Dry sand P800



Wet sand P400 - P500

■ Blending



Product : HiQ Blending Reducer (DR-500)

Spray pressure : 2 bar

Number of coats : 1~2 coats

- Procedure :
- 1) Apply HiQ MAGIC CLEAR.
 - 2) On the second application, apply wider than the first application area.
 - 3) Dilute HiQ MAGIC CLEAR with DR-500 by the portion of 1:1 and apply once wider than the previous application area.
 - 4) Melt the edge of the previous coat using DR-500.

■ VOC Content

VOC content of 4.88lbs/gal (585g/liter)

■ Notice

1. Completely eliminate the moisture of spray equipment before use because two-component urethane coats react with moisture. Cleanse immediately after application not to have any leftover on spray equipment.
2. Put a lid on the product after apply and keep it away from direct sunlight and moisture.

■ Health and Safety

1. Be well-informed of MSDS before use.
2. Follow all the directions labeled on the container.
3. For safety reasons, work in the fully-ventilated place.
4. Wear safety glasses, coveralls and latex gloves when mixing and applying.

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